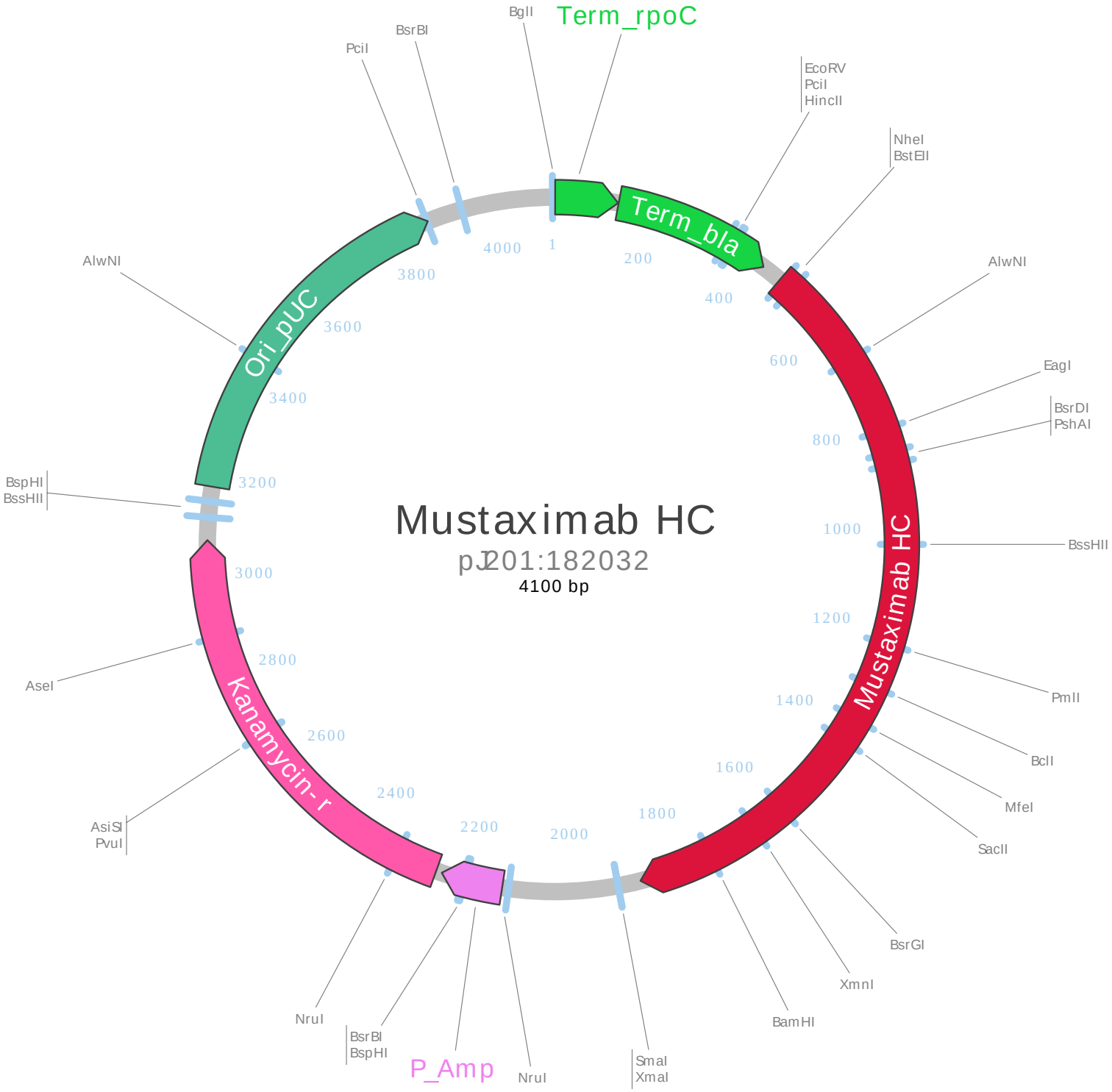
DNA 2.0

Plasmid Map

pJ201:182032

Only single and double cutters are shown in the map.



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Feature Map

Name	Start	End	Direction
Insert: 182032	460	1887	Forward
Term_rpoC	1	120	Forward
Term_bla	121	421	Forward
P_Amp	2149	2266	Forward
Kanamycin-r	2277	3083	Forward
Ori_pUC	3184	3856	Forward

Restriction Map

Name	Sequence	5' Cut Positions
AlwNI	CAGNNNCTG	666, 3445
ApaI	GGGCCC	843, 1256, 4098
ApaLI	GTGCAC	1042, 1393, 3540
AseI	ATTAAT	2901
AsiSI	GCGATCGC	2702
AvaI	CYCGRG	1702, 1930, 4091
BamHI	GGATCC	1747
BclI	TGATCA	1298
BglI	GCCNNNNNGGC	4102
BspHI	TCATGA	2224, 3126
BsrBI	CCGCTC	2222, 3925
BsrDI	GCAATG	857
BsrGI	TGTACA	1586
BssHII	GCGCGC	1025, 3156
BstEII	GGTNACC	489
BtsI	GCAGTG	1682, 1834(C), 2563(C), 2650
EagI	CGGCCG	806
EcoRV	GATATC	338
HincII	GTYRAC	356
KasI	GGCGCC	115, 556, 927
MfeI	CAATTG	1368
NarI	GGCGCC	116, 557, 928
NheI	GCTAGC	466
NruI	TCGCGA	2139, 2359
NsiI	ATGCAT	412, 638, 2552, 2818
PciI	ACATGT	350, 3854
PmlI	CACGTG	1217
PpuMI	RGGWCCY	872, 907, 1350
PshAI	GACNNNNGTC	877
PspOMI	GGGCCC	839, 1252, 4094
PvuI	CGATCG	2702
SacII	CCGCGG	1417
SmaI	CCCGGG	1932
SspI	AATATT	107, 268, 2259, 2627
XmaI	CCCGGG	1930

Name	Sequence	5' Cut Positions
XmnI	GAANNNNTTC	1654
Acc65I	GGTACC	no cuts
AccI	GTMKAC	no cuts
AclI	AACGTT	no cuts
AfeI	AGCGCT	no cuts
AgeI	ACCGGT	no cuts
AscI	GGCGCGCC	no cuts
AvrII	CCTAGG	no cuts
BbsI	GAAGAC	no cuts
BglII	AGATCT	no cuts
BlpI	GCTNAGC	no cuts
BsaI	GGTCTC	no cuts
BsiWI	CGTACG	no cuts
BsmBI	CGTCTC	no cuts
BspEI	TCCGGA	no cuts
BstBI	TTCGAA	no cuts
BstXI	CCANNNNNNTGG	no cuts
ClaI	ATCGAT	no cuts
EcoRI	GAATTC	no cuts
FseI	GGCCGGCC	no cuts
HindIII	AAGCTT	no cuts
HpaI	GTTAAC	no cuts
KpnI	GGTACC	no cuts
MluI	ACGCGT	no cuts
MscI	TGGCCA	no cuts
NcoI	CCATGG	no cuts
NdeI	CATATG	no cuts
NotI	GCGGCCGC	no cuts
PacI	TTAATTAA	no cuts
PmeI	GTTTAAAC	no cuts
PspXI	VCTCGAGB	no cuts
PstI	CTGCAG	no cuts
PvuII	CAGCTG	no cuts
RsrII	CGGWCCG	no cuts
SacI	GAGCTC	no cuts
SalI	GTCGAC	no cuts
SanDI	GGGWCCC	no cuts
SapI	GCTCTTC	no cuts
SbfI	CCTGCAGG	no cuts
SfiI	GGCCNNNNNGGCC	no cuts
SnaBI	TACGTA	no cuts
SpeI	ACTAGT	no cuts
SphI	GCATGC	no cuts
SwaI	ATTTAAAT	no cuts
XbaI	TCTAGA	no cuts
XhoI	CTCGAG	no cuts

Sequence

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   1 CTGGGCGGTT CTGATAACGA GTAATCGTTA ATCCGCAAAT AACGTAAAAA CCCGCTTCGG
  61 CGGGTTTTTT TATGGGGGGA GTTTAGGGAA AGAGCATTTG TCAGAATATT TAAGGGCGCC
 121 TGTCACTTTG CTTGATATAT GAGAATTATT TAACCTTATA AATGAGAAAA AAGCAACGCA
 181 CTTTAAATAA GATACGTTGC TTTTTCGATT GATGAACACC TATAATTAAA CTATTCATCT
 241 ATTATTTATG ATTTTTTGTA TATACAATAT TTCTAGTTTG TTAAAGAGAA TTAAGAAAAT
 301 AAATCTCGAA AATAATAAAG GGAAAATCAG TTTTTGATAT CAAAATTATA CATGTCAACG
 361 ATAATACAAA ATATAATACA AACTATAAGA TGTTATCAGT ATTTATTATG CATTTAGAAT
 421 AAATTTTGTG TCGCCCTTTA CACGTACTTA GTCGCTGAAA AGCTGGCTAG CGCCGCCACC
 481 ATGAAATGGG TCACCTTTAT CTCCCTGCTG TTTCTCTTCT CCTCGGCCTA TTCACAAGTG
 541 CAGCTCCAGC AGCCCGGCGC CGAGCTTGTG AAGCCGGGAG CGTCCGTCAA GATGTCTTGT
 601 AAAGCCAGCG GTTACACCTT CACCTCCTAC AACATGCATT GGGTCAAGCA GACACCTGGA
 661 CAGGGACTGG AATGGATTGG CGCGATCTAT CCGGGCAACG GAGACACTTC CTACAATCAA
 721 AAGTTCAAGG GGAAGGCCAC CCTGACCGCC GACAAGAGCA GCAGCACCGC CTACATGCAG
 781 CTCTCCTCGC TGACCTCCGA GGATTCGGCC GTGTACTACT GCGCCCGGAG CCGCGCCAGG
 841 GCCCGCGAAG CAATGGATTA CTGGGGACAG GGGACCTCTG TCACTGTGTC CAGCGCCTCC
 901 ACCAAGGGAC CTTCAGTGTT CCCGCTGGCG CCCAGCTCCA AGTCCACTTC CGGTGGCACC
 961 GCTGCCCTGG GTTGCCTCGT CAAGGACTAT TTCCCCGAAC CTGTGACCGT GTCCTGGAAC
1021 TCCGGCGCGC TCACTTCCGG CGTGCACACA TTCCCTGCTG TGCTCCAGTC AAGCGGACTC
1081 TACTCGCTTT CGAGCGTGGT CACTGTGCCT TCGTCCTCCC TGGGGACTCA GACCTACATT
1141 TGCAACGTGA ACCACAAGCC ATCCAACACC AAAGTGGATA AGAAGGTCGA ACCGAAGTCC
1201 TGTGACAAGA CCCACACGTG CCCGCCTTGC CCGGCCCCCG AACTTTTGGG AGGGCCCAGC
1261 GTGTTCCTGT TCCCGCCAAA ACCAAAGGAT ACGCTGATGA TCAGCCGGAC CCCCGAAGTC
1321 ACTTGTGTGG TGGTCGATGT GTCGCATGAG GACCCTGAAG TCAAGTTCAA TTGGTACGTG
1381 GACGGCGTGG AGGTGCACAA CGCCAAGACC AAGCCGCGGG AGGAACAGTA CAACTCCACT
1441 TACCGCGTGG TGTCAGTGCT GACCGTGCTG CACCAAGACT GGCTGAACGG GAAGGAGTAC
1501 AAGTGCAAAG TGTCCAACAA GGCTTTGCCA GCGCCGATTG AAAAGACCAT CAGCAAGGCC
1561 AAGGGACAGC CGAGAGAACC CCAGGTGTAC ACTCTGCCGC CTTCACGGGA CGAGCTGACC
1621 AAGAACCAAG TGTCGCTGAC TTGCCTCGTG AAGGGTTTCT ACCCGTCCGA CATCGCAGTG
1681 GAATGGGAGT CGAACGGCCA ACCCGAGAAC AACTACAAGA CCACCCCTCC CGTCCTGGAC
1741 TCCGACGGAT CCTTCTTCCT GTACTCCAAG CTGACCGTGG ACAAGTCGAG ATGGCAGCAG
1801 GGCAACGTGT TTTCCTGCTC CGTGATGCAC GAGGCACTGC ATAATCACTA CACTCAGAAG
1861 TCACTGTCAT TGAGCCCCGG AAAGTGACGT CAATCGAGTT CGTACCTAAG GGCGACACCC
1921 CCTAATTAGC CCGGGCGAAA GGCCCAGTCT TTCGACTGAG CCTTTCGTTT TATTTGATGC
1981 CTGGCAGTTC CCTACTCTCG CATGGGGAGT CCCCACACTA CCATCGGCGC TACGGCGTTT
2041 CACTTCTGAG TTCGGCATGG GGTCAGGTGG GACCACCGCG CTACTGCCGC CAGGCAAACA
2101 AGGGGTGTTA TGAGCCATAT TCAGGTATAA ATGGGCTCGC GATAATGTTC AGAATTGGTT
2161 AATTGGTTGT AACACTGACC CCTATTTGTT TATTTTTCTA AATACATTCA AATATGTATC
2221 CGCTCATGAG ACAATAACCC TGATAAATGC TTCAATAATA TTGAAAAAGG AAGAATATGA
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2341 ATGGGTATAA ATGGGCTCGC GATAATGTCG GGCAATCAGG TGCGACAATC TATCGCTTGT
2401 ATGGGAAGCC CGATGCGCCA GAGTTGTTTC TGAAACATGG CAAAGGTAGC GTTGCCAATG
2461 ATGTTACAGA TGAGATGGTC AGACTAAACT GGCTGACGGA ATTTATGCCA CTTCCGACCA
2521 TCAAGCATTT TATCCGTACT CCTGATGATG CATGGTTACT CACCACTGCG ATCCCCGGAA
2581 AAACAGCGTT CCAGGTATTA GAAGAATATC CTGATTCAGG TGAAAATATT GTTGATGCGC
2641 TGGCAGTGTT CCTGCGCCGG TTGCACTCGA TTCCTGTTTG TAATTGTCCT TTTAACAGCG
2701 ATCGCGTATT TCGCCTCGCT CAGGCGCAAT CACGAATGAA TAACGGTTTG GTTGATGCGA
2761 GTGATTTTGA TGACGAGCGT AATGGCTGGC CTGTTGAACA AGTCTGGAAA GAAATGCATA
2821 AACTTTTGCC ATTCTCACCG GATTCAGTCG TCACTCATGG TGATTTCTCA CTTGATAACC
2881 TTATTTTTGA CGAGGGGAAA TTAATAGGTT GTATTGATGT TGGACGAGTC GGAATCGCAG
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3001 AGAAACGGCT TTTTCAAAAA TATGGTATTG ATAATCCTGA TATGAATAAA TTGCAGTTTC
3061 ATTTGATGCT CGATGAGTTT TTCTAAAAGC AGAGCATTAC GCTGACTTGA CGGGACGGCG
3121 CAAGCTCATG ACCAAAATCC CTTAACGTGA GTTACGCGCG CGTCGTTCCA CTGAGCGTCA
3181 GACCCCGTAG AAAAGATCAA AGGATCTTCT TGAGATCCTT TTTTTCTGCG CGTAATCTGC
3241 TGCTTGCAAA CAAAAAAACC ACCGCTACCA GCGGTGGTTT GTTTGCCGGA TCAAGAGCTA
3301 CCAACTCTTT TTCCGAAGGT AACTGGCTTC AGCAGAGCGC AGATACCAAA TACTGTTCTT
3361 CTAGTGTAGC CGTAGTTAGC CCACCACTTC AAGAACTCTG TAGCACCGCC TACATACCTC
3421 GCTCTGCTAA TCCTGTTACC AGTGGCTGCT GCCAGTGGCG ATAAGTCGTG TCTTACCGGG
3481 TTGGACTCAA GACGATAGTT ACCGGATAAG GCGCAGCGGT CGGGCTGAAC GGGGGGTTCG
3541 TGCACACAGC CCAGCTTGGA GCGAACGACC TACACCGAAC TGAGATACCT ACAGCGTGAG
3601 CTATGAGAAA GCGCCACGCT TCCCGAAGGG AGAAAGGCGG ACAGGTATCC GGTAAGCGGC
3661 AGGGTCGGAA CAGGAGAGCG CACGAGGGAG CTTCCAGGGG GAAACGCCTG GTATCTTTAT
3721 AGTCCTGTCG GGTTTCGCCA CCTCTGACTT GAGCGTCGAT TTTTGTGATG CTCGTCAGGG
3781 GGGCGGAGCC TATGGAAAAA CGCCAGCAAC GCGGCCTTTT TACGGTTCCT GGCCTTTTGC
3841 TGGCCTTTTG CTCACATGTT CTTTCCTGCG TTATCCCCTG ATTCTGTGGA TAACCGTATT
3901 ACCGCCTTTG AGTGAGCTGA TACCGCTCGC CGCAGCCGAA CGACCGAGCG CAGCGAGTCA
3961 GTGAGCGAGG AAGCGGAAGG CGAGAGTAGG GAACTGCCAG GCATCAAACT AAGCAGAAGG
4021 CCCCTGACGG ATGGCCTTTT TGCGTTTCTA CAAACTCTTT CTGTGTTGTA AAACGACGGC
4081 CAGTCTTAAG CTCGGGCCCC
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Only the synthesized DNA fragment (in red) has been sequence verified. We do not guarantee the vector sequence.